

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001612

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: F16L 21/03, 58/02, 13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT: 1. IPC F16L 9/02, 13/02, 21/-, 58/- & Keywords (weld, coating, o-ring, sleeve) & like terms
 2. Keywords (pipe, weld, join, heat sink) & like terms
 3. Keywords (pipe, weld, join, coating, o-ring, sleeve) & like terms

ESP@CE: 1. IPC F16L 21/03 & keywords (weld or heat)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	DE 693490 A (MANNESMANNRÖHREN WERKE) 10 July 1940 Whole document	4, 6-8 1-3, 5, 9
X Y	GB 1022510 A (MANNESMANN AKTIENGESELLSCHAFT) 16 March 1966 See especially page 1 and Figure 7	4, 6-8 1-3, 5, 9
X Y	FR 2676522 A (RIVECO RIVESTIMENTI CONDOTTE SPA) 20 November 1992 Whole document	4, 6-8 1-3, 5, 9

Further documents are listed in the continuation of Box C See patent family annex

"A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
6 January 2005

Date of mailing of the international search report 12 JAN 2005

Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustralia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

DAVID LEE
Telephone No : (02) 6283 2107



for A.S

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001612

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2273154 A (STROMSOE) 17 February 1942 Whole document	4, 6-8
Y	US 5219187 A (MIKITKA) 15 June 1993 Whole document, especially figure 2	1-3
Y	US 5274897 A (MIESZELEWICZ et al.) 4 January 1994 Whole document	1-3, 5, 9